Attorney Docket No. 1454.1082

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| In re Patent Application of: | | | | | | |
|------------------------------|--|--|--|--|--|--|
| Wolfgang ZIRWAS | | | | | | |
| Applica | ation No.: | | Group Art Unit: (unassigned) | | | |
| Filed: | (concurrently | y) | Examiner: (unassigned) | | | |
| For: | | RIER SIGNALS PRESENTING | ECEIVER SYSTEM FOR RECEIVING SEVERAL FREQUENCY-DISCRETE | | | |
| | | INFORMATION DISCLOS | SURE STATEMENT | | | |
| | int Commissi ngton, D.C. 2 | oner for Patents 20231 | | | | |
| Sir: | | | | | | |
| subject | ed certain info : U.S. patent | ormation which the Examiner ma | ovisions of 37 CFR §1.56, there is hereby ay consider material to the examination of the the Examiner make this information of the subject application. | | | |
| | 1a. | application or a PCT Internation English language translation (deach non-English language pul Explanations of Relevancy of Explanation a concise explanation | earch report(s) from a counterpart foreign nal Search Report. complete or relevant portion(s)) attached to blication. References (ATTACHMENT 1(e), hereto) for n of each non-English publication. | | | |
| 4 | In accordance with 37 CFR §1.98, a concise explanation of what is presently understood to be the relevance of each non-English language publication is | | | | | |
| | 2a. 🗌 2b. 📗 | enclosed "English-language ve indicates the degree of relevan 609, Minimum Requirements for | s 2a, 2b, 2c and/or 2d) sh language publications were cited on the ersion of the search report or action which ice found by the foreign office". (See MPEP or an Information Disclosure Statement, Part relevance, pp. 600-100 to 600-101, Rev. 1, | | | |

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| 2c. 🔲 | satisfied because an English language translation (complete or relevant |
|-------|---|
| | portion(s)) is attached to each non-English language publication. |
| 2d. 🛛 | enclosed as Attachment 1(e), hereto. |

3. No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than search report(s) from a counterpart foreign application or a PCT International Search Report, if submitted herewith). 37 CFR §§1.97(g) and (h).

Respectfully submitted,

STAAS & HALSEY LLP

Dated: 10/1/0|
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Washington, D.C. 20001 Telephone: (202) 434-1500 Facsimile: (202) 434-1501 By: Island Ct. Dollhofe Richard A. Gollhofer Registration No. 31,106

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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.

APPLICATION NO.

1454.1082

FIRST NAMED INVENTOR

Wolfgang ZIRWAS

FILING DATE

GROUP ART UNIT

(Use several sheets if necessary)

LIST OF REFERENCES CITED BY APPLICANT

U.S. PATENT DOCUMENTS

| | | | 0.0.17 | TENT DOGGINENTO | | | |
|----------------------|----|-----------------|----------|------------------|-------|----------------|----------------|
| *EXAMINER INITIAL | | DOCUMENT NO. | DATE | NAME | CLASS | SUB- CLASS | FILING DATE |
| | AA | 5,416,767 | 05/16/95 | Koppelaar et al. | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | · - | |
| | AE | | | | | | |
| | AF | | 1 | | | | - |

FOREIGN PATENT DOCUMENTS

| | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUB- CLASS | TRANSL YES | ATION NO |
|--------|-----------------|----------|---------|-------|---------------|---------------|-------------|
| AG | 933 903 | 08/04/99 | Europe | | | | |
| AH | | | | | | | |

OTHER REFERENCES (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

| | 2.12.1020 (11.020) 11.01.1, 11.02.1, 2.11.2, |
|--------|--|
| Al | P. Robertson, "Analysis of the Effects of Phase-Noise in Orthogonal Frequency Division Multiplex (OFDM) Systems", February 1995, pp. 1652-1657 |
| AJ | Y. Zhao, "Sensitivity to Doppler Shift and Carrier Frequency Errors in OFDM Systems The Consequences and Solutions", May 1995, pp. 1564-1568 |
| AK | J. Armstrong, "Analysis of New and Existing Methods of Reducing Intercarrier Interference Due to Carrier Frequency Offset in OFDM", vol. 47, No. 3, March 1999, pp. 365-369 |
| AL | Technologie "Drahtlos zum Freizeichen" |
| AM | Mitteliung an die TU Braunschweig, Jahrgang XXXI, Braunschweig 1/1996, p. 46 |

| EXAMINER | DATE CONSIDERED | | |
|--|-----------------|--|--|
| | | | |
| | | | |
| *EXAMINER: Initial if reference considered, whether or not ci- | | | |

09/937766 JCD-Rec'd PCT/PTO 0 1 OCT 2001

ATTACHMENT 1(E)

| | ATTORNEY DOCKET NO. | APPLICATION NO. | |
|---------------------------|----------------------|-----------------|--|
| | 1454.1082 | | |
| EXPLANATIONS OF RELEVANCY | FIRST NAMED INVENTOR | | |
| OF REFERENCES | Wolfgang ZIRWAS | | |
| | FILING DATE | GROUP ART UNIT | |
| | | | |

The relevancy of References AL and AM which are in German, are discussed in the Description of the Related Art section of the application.